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APPENDIX: PERSONAKEY TouchOpen™ User's Manual

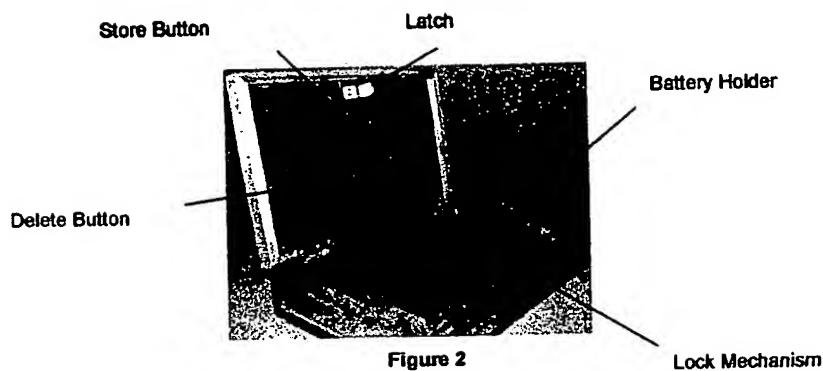
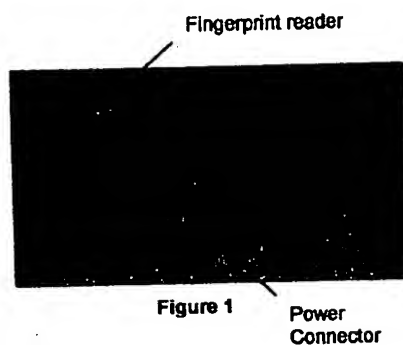
Description

The PersonaKey TouchOpen Fingerprint controlled locking storage case provides tamper resistant storage of your belongings. Once you store your fingerprint(s) in the internal memory, TouchOpen can only be opened with those fingerprints. TouchOpen is intended for indoor use only. Please read through this manual carefully before you apply power and start using your TouchOpen storage case.

Location of Controls and Connectors

The major components of the TouchOpen case are the case and the AC adapter. You may also have purchased the optional car power adapter.

External controls on the case consist of the fingerprint reader and the power connector, identified in Figure 1. Internal controls consist of the store button, delete button, battery holder, latch, and lock mechanism, as shown in Figure 2. The functions of each of these controls and connectors are described in detail in subsequent sections of this manual.



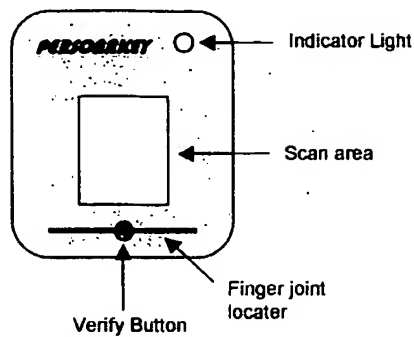


Figure 3 – Fingerprint Reader Description

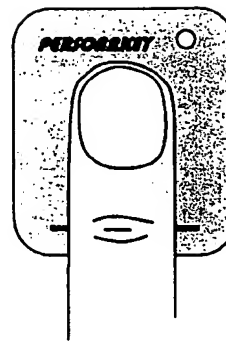


Figure 4 – Proper Finger Placement

How to place a finger on the Storage Case fingerprint reader

Proper placement of your finger on the fingerprint reader is extremely important for proper operation of the case, and this section is referred to throughout this manual. Please review this section carefully. Figure 3 shows the elements of the fingerprint reader. As shown in figure 4, when a finger is placed for fingerprint reading, the pad of the finger must be centered on the scan area, and the verify button must be located under the finger joint. The finger joint locator helps properly locate the finger on the reader.

The finger must be pressed firmly enough to activate the verify button and make good contact with the scan area. Pressing too lightly will not activate the verify button and may not provide a good fingerprint. Pressing too hard will blur the fingerprint in the scan area. Initially it may take a several practice tries during fingerprint registration and verification to learn how to properly place a finger on the fingerprint reader.

In addition to proper placement, the finger must be clean and dry. However if you have extremely dry skin some moisturizer may need to be applied to your fingers in order to store a good fingerprint on the scan area.

Turning on the Storage Case

The Storage Case comes *locked*, and without any batteries installed. To turn the Storage Case on, first plug the DC jack of the AC adapter into power connector on the back of the case, then plug the AC adapter unit into a standard wall power outlet. The indicator light will flash once when power is initially applied, and then remain off until a finger is placed on the fingerprint reader.

Opening the Storage Case when there are no fingerprints stored

When the case is shipped from the factory, or any time you delete the fingerprints that have been stored in the internal memory, placing any finger on the fingerprint reader as described in the section "*How to place a finger on the Storage Case fingerprint reader*" will open the case. The Indicator light will turn green and the lock will be released for 5 seconds. There is no way to open the case without power being applied. The case always locks when the lid is closed.

Storing a fingerprint in the Storage Case Internal Memory

1. Make sure the unit is powered on and that the indicator light on the fingerprint reader is off.
2. Open the case by placing a finger on the fingerprint reader as described in the section *"How to place a finger on the Storage Case fingerprint reader"*.
3. If this is the first time you are storing a fingerprint, it is strongly recommended that an object such as folded towel be placed between the lid and base of the case to prevent the case from locking shut until you are sure your fingerprint is properly stored and that you can successfully unlock the case.
4. Find the store button located inside the case on the underside of the lid. Be sure to distinguish between the store and the delete button. Using a small, non-metal tool such as a pencil or pen tip, press the store button. Once the store button has been pressed, the indicator light will turn orange and you have 10 seconds to store a fingerprint.
5. Close the case and place a finger on the fingerprint reader as described in the section *"How to place a finger on the Storage Case fingerprint reader"*.
6. As soon as the indicator light turns either red or green, remove the finger from the fingerprint reader.
7. If the indicator light turned red in step 6, the fingerprint was not stored. This could be due to improper placement or not placing a finger on the fingerprint reader within 10 seconds of pressing the store button. It may take a few tries to properly store a fingerprint. Repeat steps 2 through 6 until the indicator light turns green during step 6.
8. When the indicator light turns green during step 6, the fingerprint was properly stored and will be stored in the fingerprint reader even when the case is not powered on.
9. If this is the first time you are storing a fingerprint, before you remove the towel or other object used in step 3 to prevent the case from locking it is strongly recommended that you test your ability to unlock the storage case by following the instructions in the section *"How to open the Storage case when fingerprints are stored"*.

You can store up to 1000 fingerprints in the Personakey Storage Case. It is recommended that you store prints from several of your own fingers to prevent being locked out of the case should any of your fingers become unusable. You may also store each finger more than once – this will make verification easier if your finger is not always placed on the fingerprint reader in the exact same position. Note that the number of different people that can be stored is dependent on the number of fingerprints you store for each user. For example, if you store 20 fingerprints per person, you can have up to 50 users.

Opening the Storage Case when fingerprints are stored

Once fingerprints have been stored in the PersonaKey Storage Case, the only method of opening the case is by verification of a stored fingerprint on the fingerprint reader.

1. Make sure the unit is powered on and that the indicator light is off.
2. Place a finger on the fingerprint reader as described in the section **"How to place a finger on the Storage Case fingerprint reader"**. The indicator light will turn orange when the finger is properly placed on the fingerprint reader. Once the indicator light turns green or red remove the finger from the fingerprint reader.
3. If the indicator light turned green the case will be unlocked for 5 seconds, giving you time to open the case. The case will automatically lock when the case is closed.
4. If the indicator light turns red, the unit will not unlock because the fingerprint was not recognized. This is either because of improper finger placement or the fingerprint has not been stored.

Deleting Fingerprints from the Storage Case Internal Memory

Using the delete function of the Storage Case will erase all fingerprints stored in the internal memory. When there aren't any fingerprints stored, the Storage Case can be opened by placing any finger on the fingerprint reader as described in the section **"How to place a finger on the Storage Case fingerprint reader"** of this manual, or by simply pressing the verify button.

To delete fingerprints, open the case and press the delete button located inside the case lid. The indicator light will flash orange for approximately 10 seconds while all the prints are deleted.

Battery Operation

Battery operation is intended for short periods of time when power is not available from either a wall outlet or the car adapter. The battery holder requires 8 AA size batteries, which will power the case for several hours.

To install batteries, disconnect the battery holder from the battery terminal connector and remove it from the case. The batteries must be installed properly as indicated on the battery holder or permanent damage will occur to the case electronics. Once batteries are properly installed in the holder, reconnect the holder to the battery terminal connector.

Once the battery holder is connected and reinstalled in the case, unplug the power connector from the back of the case when you want to enable battery operation. Please note that the power connector located on the back of the case must be unplugged to enable battery operation, even if the AC adapter is not plugged into a wall outlet. Batteries should be replaced monthly to ensure case operation in the event of a power failure.

To switch from battery operation to AC power mode, first plug the DC power jack of the AC adapter into the power connector on the back of the case, then plug the AC adapter into a wall outlet.

Resetting the Storage Case electronics

If the batteries

Over filling

Warnings